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 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2          "Ask CAS" for self-help around the clock
 NEWS  3  Jun 03  New e-mail delivery for search results now available
 NEWS  4  Aug 08  PHARMAMarketLetter(PHARMAML) - new on STN
 NEWS  5  Aug 19  Aquatic Toxicity Information Retrieval (AQUIRE)
                  now available on STN
 NEWS  6  Aug 26  Sequence searching in REGISTRY enhanced
 NEWS  7  Sep 03  JAPIO has been reloaded and enhanced
 NEWS  8  Sep 16  Experimental properties added to the REGISTRY file
 NEWS  9  Sep 16  CA Section Thesaurus available in CAPLUS and CA
 NEWS 10  Oct 01  CASREACT Enriched with Reactions from 1907 to 1985
 NEWS 11  Oct 24  BEILSTEIN adds new search fields
 NEWS 12  Oct 24  Nutraceuticals International (NUTRACEUT) now available on STN
 NEWS 13  Nov 18  DKILIT has been renamed APOLLIT
 NEWS 14  Nov 25  More calculated properties added to REGISTRY
 NEWS 15  Dec 04  CSA files on STN
 NEWS 16  Dec 17  PCTFULL now covers WP/PCT Applications from 1978 to date
 NEWS 17  Dec 17  TOXCENTER enhanced with additional content
 NEWS 18  Dec 17  Adis Clinical Trials Insight now available on STN
 NEWS 19  Jan 29  Simultaneous left and right truncation added to COMPENDEX,
                  ENERGY, INSPEC
 NEWS 20  Feb 13  CANCERLIT is no longer being updated
 NEWS 21  Feb 24  METADEX enhancements
 NEWS 22  Feb 24  PCTGEN now available on STN
 NEWS 23  Feb 24  TEMA now available on STN
 NEWS 24  Feb 26  NTIS now allows simultaneous left and right truncation
 NEWS 25  Feb 26  PCTFULL now contains images
 NEWS 26  Mar 04  SDI PACKAGE for monthly delivery of multifile SDI results
 NEWS 27  Mar 20  EVENTLINE will be removed from STN
 NEWS 28  Mar 24  PATDPAFULL now available on STN
 NEWS 29  Mar 24  Additional information for trade-named substances without
                  structures available in REGISTRY
 NEWS 30  Apr 11  Display formats in DGENE enhanced
 NEWS 31  Apr 14  MEDLINE Reload
 NEWS 32  Apr 17  Polymer searching in REGISTRY enhanced
 NEWS 33  Jun 13  Indexing from 1947 to 1956 added to records in CA/CAPLUS
 NEWS 34  Apr 21  New current-awareness alert (SDI) frequency in
                  WPIDS/WPINDEX/WPIX
 NEWS 35  Apr 28  RDISCLOSURE now available on STN
 NEWS 36  May 05  Pharmacokinetic information and systematic chemical names
                  added to PHAR
 NEWS 37  May 15  MEDLINE file segment of TOXCENTER reloaded
 NEWS 38  May 15  Supporter information for ENCOMPPAT and ENCOMPLIT updated
 NEWS 39  May 16  CHEMREACT will be removed from STN
 NEWS 40  May 19  Simultaneous left and right truncation added to WSCA
 NEWS 41  May 19  RAPRA enhanced with new search field, simultaneous left and
                  right truncation
 NEWS 42  Jun 06  Simultaneous left and right truncation added to CBNB
 NEWS 43  Jun 06  PASCAL enhanced with additional data
 NEWS 44  Jun 20  2003 edition of the FSTA Thesaurus is now available
 NEWS 45  Jun 25  HSDB has been reloaded

 NEWS EXPRESS  April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
               MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
               AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
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FILE 'HOME' ENTERED AT 10:45:33 ON 26 JUN 2003

=> file medline, cancerlit, biosis, confsci, embase, caplus, uspatfull, pctfull,
scisearch
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FILE 'CONFSCI' ENTERED AT 10:47:10 ON 26 JUN 2003
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FILE 'USPATFULL' ENTERED AT 10:47:10 ON 26 JUN 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'PCTFULL' ENTERED AT 10:47:10 ON 26 JUN 2003
COPYRIGHT (C) 2003 Univentio

FILE 'SCISEARCH' ENTERED AT 10:47:10 ON 26 JUN 2003
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=> s transgenic? and potassium (a) channel?
L1         1842 TRANSGENIC? AND POTASSIUM (A) CHANNEL?

=> s l1 and p (a) domain
L2          156 L1 AND P (A) DOMAIN

=> dup rem l2
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PROCESSING COMPLETED FOR L2
L3          154 DUP REM L2 (2 DUPLICATES REMOVED)

=> s l3 not py=>1998
'1998' NOT A VALID FIELD CODE
   6 FILES SEARCHED...
L4            1 L3 NOT PY=>1998

=> d

L4     ANSWER 1 OF 1     PCTFULL   COPYRIGHT 2003 Univentio
****   DATA NOT AVAILABLE FOR THIS ACCESSION NUMBER


=> d all

L4     ANSWER 1 OF 1     PCTFULL   COPYRIGHT 2003 Univentio
****   DATA NOT AVAILABLE FOR THIS ACCESSION NUMBER


=> s l3 not py=>1999
'1999' NOT A VALID FIELD CODE
   5 FILES SEARCHED...
L5            1 L3 NOT PY=>1999

=> d l all

L5     ANSWER 1 OF 1     PCTFULL   COPYRIGHT 2003 Univentio
****   DATA NOT AVAILABLE FOR THIS ACCESSION NUMBER


=> d his

     (FILE 'HOME' ENTERED AT 10:45:33 ON 26 JUN 2003)

     FILE 'MEDLINE, CANCERLIT, BIOSIS, CONFSCI, EMBASE, CAPLUS, USPATFULL,
     PCTFULL, SCISEARCH' ENTERED AT 10:47:10 ON 26 JUN 2003
L1          1842 S TRANSGENIC? AND POTASSIUM (A) CHANNEL?
L2           156 S L1 AND P (A) DOMAIN
L3           154 DUP REM L2 (2 DUPLICATES REMOVED)
L4             1 S L3 NOT PY=>1998
L5             1 S L3 NOT PY=>1999

=> s potassium (a) transport (a) channel
L6          327 POTASSIUM (A) TRANSPORT (A) CHANNEL

=> s l6 and transgenic?
L7           14 L6 AND TRANSGENIC?

=> d 1-14

L7   ANSWER 1 OF 14  USPATFULL
AN     2003:112998  USPATFULL
TI     Human Elk, a voltage-gated potassium channel subunit
IN     Jegla, Timothy J., Durham, NC, UNITED STATES
       Wickenden, Alan, Cary, NC, UNITED STATES
PA     ICAgen, Incorporated, Durham, NC, UNITED STATES, 27703 (U.S.
       corporation)
PI     US 2003077731      A1   20030424
AI     US 2002-160224     A1   20020528 (10)
RLI    Division of Ser. No. US 1999-343494, filed on 30 Jun 1999, GRANTED, Pat.
       No. US 6413741
PRAI   US 1999-116621P      19990121 (60)
       US 1998-91469P       19980701 (60)
DT     Utility
FS     APPLICATION
LN.CNT 2965
INCL   INCLM: 435/069.100
       INCLS: 435/006.000; 435/320.100; 435/325.000; 530/350.000; 536/023.200
NCL    NCLM:  435/069.100
       NCLS:  435/006.000; 435/320.100; 435/325.000; 530/350.000; 536/023.200
IC     [7]
       ICM: C12Q001-68
       ICS: C07H021-04; C07K014-435; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7   ANSWER 2 OF 14  USPATFULL
AN     2003:71412  USPATFULL
TI     Family of mechanosensitive human potassium channels activated by
       polyunsaturated fatty acids and their use
IN     Lazdunski, Michel, Nice, FRANCE
       Lesage, Florian, Nice, FRANCE
       Maingret, Francois, Antibes, FRANCE
PA     CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, C.N.R.S., PARIS, FRANCE,
       F-75794 (non-U.S. corporation)
PI     US 2003049697      A1   20030313
AI     US 2002-243035     A1   20020913 (10)
RLI    Continuation of Ser. No. WO 2001-FR758, filed on 14 Mar 2001, UNKNOWN
PRAI   FR 2000-3264        20000314
DT     Utility
FS     APPLICATION
LN.CNT 792
INCL   INCLM: 435/007.210
NCL    NCLM:  435/007.210
IC     [7]
       ICM: G01N033-567
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7   ANSWER 3 OF 14  USPATFULL
AN     2003:23693  USPATFULL
TI     Slo2 and Slo4, novel potassium channel proteins from human brain
IN     Jegla, Timothy James, Durham, NC, UNITED STATES
       Witzel, Julie Dickson, Raleigh, NC, UNITED STATES
PA     ICAgen, Inc., Durham, NC, 27703 (U.S. corporation)
PI     US 2003017533      A1   20030123
AI     US 2001-921159     A1   20010801 (9)
PRAI   US 2000-249112P     20001115 (60)
DT     Utility
FS     APPLICATION
LN.CNT 4681
INCL   INCLM: 435/069.100
       INCLS: 435/183.000; 435/325.000; 435/320.100; 702/019.000; 530/350.000;
              536/023.200
NCL    NCLM:  435/069.100
       NCLS:  435/183.000; 435/325.000; 435/320.100; 702/019.000; 530/350.000;
              536/023.200
IC     [7]
       ICM: C07K014-435
       ICS: G06F019-00; C07H021-04; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7   ANSWER 4 OF 14  USPATFULL
AN     2002:201843  USPATFULL
TI     Beta subunits of Slo family potassium channels
IN     Jegla, Timothy J., Durham, NC, United States
       Wickenden, Alan, Cary, NC, United States
       Liu, Yi, Cary, NC, United States
PA     ICAgen Inc., Durham, NC, United States (U.S. corporation)
PI     US 6432645         B1   20020813
AI     US 2000-510257          20000222 (9)
```

PRAI US 1999-121224P 19990223 (60)
US 1999-163367P 19991103 (60)
DT Utility
FS GRANTED
LN.CNT 2780
INCL INCLM: 435/006.000
INCLS: 435/091.100; 435/091.200; 536/022.100; 536/023.100; 536/024.300; 536/024.330
NCL NCLM: 435/006.000
NCLS: 435/091.100; 435/091.200; 536/022.100; 536/023.100; 536/024.300; 536/024.330
IC [7]
ICM: C12Q001-68
ICS: C07H019-00; C07H021-00; C07H021-02
EXF 435/6; 435/91.1; 435/91.2; 536/22.1; 536/23.1; 536/24.3; 536/24.33
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 14 USPATFULL
AN 2002:191612 USPATFULL
TI KCNQ5, a novel potassium channel
IN Jegla, Timothy J., Durham, NC, UNITED STATES
PI US 2002102677 A1 20020801
AI US 2001-810796 A1 20010315 (9)
PRAI US 2000-190954P 20000321 (60)
DT Utility
FS APPLICATION
LN.CNT 3307
INCL INCLM: 435/183.000
INCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.200
NCL NCLM: 435/183.000
NCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.200
IC [7]
ICM: C12N009-00
ICS: C12N005-06; C07H021-04; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 14 USPATFULL
AN 2002:178770 USPATFULL
TI Family of mammalian potassium channels, their cloning and their use, especially for the screening of drugs
IN Duprat, Fabrice, Vallauris, FRANCE
Lesage, Florian, Paris, FRANCE
Fink, Michel, La Bocca, FRANCE
Lazdunski, Michel, Nice, FRANCE
PA Centre National De La Recherche Scientifique-CNRS (non-U.S. corporation)
PI US 2002094558 A1 20020718
AI US 2001-939483 A1 20010824 (9)
RLI Division of Ser. No. US 1998-144914, filed on 1 Sep 1998, PATENTED Continuation-in-part of Ser. No. US 1996-749816, filed on 15 Nov 1996, PATENTED
PRAI US 1998-95234P 19980804 (60)
DT Utility
FS APPLICATION
LN.CNT 1876
INCL INCLM: 435/183.000
INCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.200
NCL NCLM: 435/183.000
NCLS: 435/069.100; 435/325.000; 435/320.100; 530/350.000; 536/023.200
IC [7]
ICM: C12N009-00
ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 14 USPATFULL
AN 2002:160548 USPATFULL
TI Human elk a voltage-gated potassium channel subunit
IN Jegla, Timothy J., Durham, NC, United States
Wickenden, Alan, Cary, NC, United States
PA ICAgen, Incorporated, Durham, NC, United States (U.S. corporation)
PI US 6413741 B1 20020702
AI US 1999-343494 19990630 (9)
PRAI US 1998-91469P 19980701 (60)
US 1999-116621P 19990121 (60)
DT Utility
FS GRANTED
LN.CNT 2508
INCL INCLM: 435/069.100
INCLS: 435/320.100; 435/325.000; 435/006.000; 536/023.500
NCL NCLM: 435/069.100
NCLS: 435/006.000; 435/320.100; 435/325.000; 536/023.500
IC [7]
ICM: C12N015-12
ICS: C12N015-63; C12N005-00; C12Q001-68
EXF 536/23.5; 435/6; 435/69.1; 435/320.1; 435/325
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 8 OF 14 USPATFULL
AN 2002:55158 USPATFULL
TI Family of mammalian potassium channels, their cloning and their use, especially for the screening of drugs
IN Duprat, Fabrice, Vallauris, FRANCE
Lesage, Florian, Paris, FRANCE
Fink, Michel, La Bocca, FRANCE
Lazdunski, Michel, Nice, FRANCE
PA Centre National De La Recherche Scientifique-CNRS (non-U.S. corporation)
PI US 2002032322 A1 20020314
AI US 2001-939484 A1 20010824 (9)
RLI Division of Ser. No. US 1998-144914, filed on 1 Sep 1998, GRANTED, Pat. No. US 6309855 Continuation-in-part of Ser. No. US 1996-749816, filed on 15 Nov 1996, GRANTED, Pat. No. US 6013470
PRAI FR 1996-1565 19960208
US 1998-95234P 19980804 (60)
DT Utility
FS APPLICATION
LN.CNT 1902
INCL INCLM: 536/023.500
INCLS: 530/350.000; 435/007.100; 530/300.000; 435/006.000; 536/024.100; 435/325.000; 435/320.100; 435/252.100; 800/008.000
NCL NCLM: 536/023.500
NCLS: 530/350.000; 435/007.100; 530/300.000; 435/006.000; 536/024.100; 435/325.000; 435/320.100; 435/252.100; 800/008.000
IC [7]
ICM: C12Q001-68
ICS: G01N033-53; A01K067-00; A01K067-033; C07H021-04; C12P021-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 9 OF 14 PCTFULL COPYRIGHT 2003 Univentio
AN 2002040649 PCTFULL ED 20020610 EW 200221
TIEN SLO2 AND SLO4, NOVEL POTASSIUM CHANNEL PROTEINS FROM HUMAN BRAIN
TIFR SLO2 ET SLO4, NOUVELLES PROTEINES DE CANAL POTASSIQUE PROVENANT DU CERVEAU HUMAIN
IN JEGLA, Timothy, James, 5315 Revere Rd., Durham, NC 27713, US [US, US]; WITZEL, Julie, Dickson, 9521 Meadowmont Lane, Raleigh, NC 27615, US [US, US]
PA ICAGEN, INC., 4222 Emperor Boulevard, Suite 350, Durham, NC 27703, US [US, US], for all designates States except US;
JEGLA, Timothy, James, 5315 Revere Rd., Durham, NC 27713, US [US, US], for US only;
WITZEL, Julie, Dickson, 9521 Meadowmont Lane, Raleigh, NC 27615, US [US, US], for US only

AG PARENT, Annette, S., Townsend and Townsend and Crew, LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, US
LAF English
LA English
DT Patent
PI WO 2002040649 A1 20020523
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2001-US25701 A 20010815
PRAI US 2000-60/249,112 20001115
US 2001-60/249,112 20010801
ICM C12N005-10
ICS C12N015-12; C12N015-63

L7 ANSWER 10 OF 14 PCTFULL COPYRIGHT 2003 Univentio
AN 2001079455 PCTFULL ED 20020826
TIEN Kv10.1, A NOVEL VOLTAGE-GATED POTASSIUM CHANNEL FROM HUMAN BRAIN
TIFR KV10, UN NOUVEAU CANAL POTASSIQUE COMMANDE PAR TENSION A PARTIR DE CERVEAU HUMAIN
IN JEGLA, Timothy, James
PA ICAGEN, INC.;
JEGLA, Timothy, James
DT Patent
PI WO 2001079455 A1 20011025
DS W: AE AG AL AM AT AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ CZ DE DE DK DK DM DZ EE EE ES FI FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 2001-US12185 A 20010413
PRAI US 2000-60/197,793 20000414
US 2001-09/833,466 20010411
ICM C12N005-10
ICS C12N015-12; C12N015-63; C12N015-64; C07K014-705; C07K016-18; C07K016-28; C12Q001-68; G01N033-53; G01N033-567

L7 ANSWER 11 OF 14 PCTFULL COPYRIGHT 2003 Univentio
AN 2001070759 PCTFULL ED 20020822
TIEN POTASSIUM CHANNEL KCNQ5
TIFR CANAL POTASSIUM APPELE KCNQ5
IN JEGLA, Timothy, James
PA ICAGEN, INC.;
JEGLA, Timothy, James
DT Patent
PI WO 2001070759 A1 20010927
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 2001-US9328 A 20010320
PRAI US 2000-60/190,954 20000321
ICM C07H021-04
ICS C12P021-06; C12N015-63; C12N015-85; C12N015-86; C07K005-10; G01N033-543; G01N033-53

L7 ANSWER 12 OF 14 PCTFULL COPYRIGHT 2003 Univentio
AN 2000050444 PCTFULL ED 20020515
TIEN BK BETA SUBUNITS OF SLO FAMILY POTASSIUM CHANNELS
TIFR SOUS-UNITES DE BK BETA DE CANAUX POTASSIQUES DE FAMILLE SLO
IN JEGLA, Timothy, James;
WICKENDEN, Alan;
LIU, Yi
PA ICAGEN, INC.;
JEGLA, Timothy, James;
WICKENDEN, Alan;
LIU, Yi
LA English
DT Patent
PI WO 2000050444 A1 20000831
DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 2000-US4441 A 20000222
PRAI US 1999-60/121,224 19990223
US 1999-60/163,367 19991103
ICM C07K001-00

L7 ANSWER 13 OF 14 PCTFULL COPYRIGHT 2003 Univentio
AN 2000001819 PCTFULL ED 20020515
TIEN HUMAN ELK, A VOLTAGE-GATED POTASSIUM CHANNEL SUBUNIT
TIFR SOUS-UNITE DE CANAL POTASSIQUE POTENTIEL DEPENDANT, ELK DE L'HOMME
IN JEGLA, Timothy, J.;
WICKENDEN, Alan
PA ICAGEN, INCORPORATED;
JEGLA, Timothy, J.;
WICKENDEN, Alan
LA English
DT Patent
PI WO 2000001819 A1 20000113
DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 1999-US14944 A 19990630
PRAI US 1998-60/091,469 19980701
US 1999-60/116,621 19990121
ICM C12N015-12
ICS C12N005-10; C12N015-63; C07K014-435; C07K014-47

L7 ANSWER 14 OF 14 PCTFULL COPYRIGHT 2003 Univentio
AN 2000001811 PCTFULL ED 20020515
TIEN Kv6.2, A VOLTAGE-GATED POTASSIUM CHANNEL SUBUNIT
TIFR SOUS-UNITE DE CANAL POTASSIQUE POTENTIEL DEPENDANT, Kv6,2
IN JEGLA, Timothy, James
PA ICAGEN INCORPORATED;
JEGLA, Timothy, James
LA English
DT Patent
PI WO 2000001811 A1 20000113
DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK
LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH GM KE LS MW
SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK
ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG

AI WO 1999-US14945 A 19990630
PRAI US 1998-60/091,466 19980701
ICM C12N015-11
ICS A61K039-395

=> d his

(FILE 'HOME' ENTERED AT 10:45:33 ON 26 JUN 2003)

FILE 'MEDLINE, CANCERLIT, BIOSIS, CONFSCI, EMBASE, CAPLUS, USPATFULL, PCTFULL, SCISEARCH' ENTERED AT 10:47:10 ON 26 JUN 2003
L1 1842 S TRANSGENIC? AND POTASSIUM (A) CHANNEL?
L2 156 S L1 AND P (A) DOMAIN
L3 154 DUP REM L2 (2 DUPLICATES REMOVED)
L4 1 S L3 NOT PY=>1998
L5 1 S L3 NOT PY=>1999
L6 327 S POTASSIUM (A) TRANSPORT (A) CHANNEL
L7 14 S L6 AND TRANSGENIC?

=> s l1 and shaker
L8 245 L1 AND SHAKER

=> dup rem l8
PROCESSING COMPLETED FOR L8
L9 217 DUP REM L8 (28 DUPLICATES REMOVED)

=> s l9 not py=>1999
'1999' NOT A VALID FIELD CODE
7 FILES SEARCHED...
L10 21 L9 NOT PY=>1999

=> d 1-21

L10 ANSWER 1 OF 21 MEDLINE
AN 1998169473 MEDLINE
DN 98169473 PubMed ID: 9501192
TI Long QT and ventricular arrhythmias in **transgenic** mice expressing the N terminus and first transmembrane segment of a voltage-gated **potassium channel**.
AU London B; Jeron A; Zhou J; Buckett P; Han X; Mitchell G F; Koren G
CS Division of Cardiology, University of Pittsburgh Medical Center, Pittsburgh, PA 15213, USA.. koren@calvin.bwh.harvard.edu
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1998 Mar 17) 95 (6) 2926-31.
Journal code: 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199804
ED Entered STN: 19980422
Last Updated on STN: 19980422
Entered Medline: 19980410

L10 ANSWER 2 OF 21 MEDLINE
AN 97272240 MEDLINE
DN 97272240 PubMed ID: 9114006
TI Reversible antisense inhibition of **Shaker**-like Kv1.1 **potassium channel** expression impairs associative memory in mouse and rat.
AU Meiri N; Ghelardini C; Tesco G; Galeotti N; Dahl D; Tomsic D; Cavallaro S; Quattrone A; Capaccioli S; Bartolini A; Alkon D L
CS Laboratory of Adaptive Systems, National Institutes of Health, Bethesda, MD 20892, USA.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1997 Apr 29) 94 (9) 4430-4.
Journal code: 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199705
ED Entered STN: 19970609
Last Updated on STN: 19970609
Entered Medline: 19970527

L10 ANSWER 3 OF 21 MEDLINE
AN 97264425 MEDLINE
DN 97264425 PubMed ID: 9110258
TI Tissue-specific alternative splicing of **Shaker potassium channel** transcripts results from distinct modes of regulating 3' splice choice.
AU Iverson L E; Mottes J R; Yeager S A; Germeraad S E
CS Division of Neurosciences, Beckman Research Institute of the City of Hope, Duarte, California 91010, USA.
NC NS18858 (NINDS)
NS28135 (NINDS)
SO JOURNAL OF NEUROBIOLOGY, (1997 May) 32 (5) 457-68.
Journal code: 0213640. ISSN: 0022-3034.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199706
ED Entered STN: 19970630
Last Updated on STN: 19970630
Entered Medline: 19970616

L10 ANSWER 4 OF 21 MEDLINE
AN 95209868 MEDLINE
DN 95209868 PubMed ID: 7695908
TI Tissue-specific alternative splicing of hybrid **Shaker**/lacZ genes correlates with kinetic differences in **Shaker** K+ currents in vivo.
AU Mottes J R; Iverson L E
CS Division of Neurosciences Beckman Research Institute of the City of Hope, Duarte, California 91010.
NC NS18858 (NINDS)
NS28135 (NINDS)
SO NEURON, (1995 Mar) 14 (3) 613-23.
Journal code: 8809320. ISSN: 0896-6273.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199505
ED Entered STN: 19950510
Last Updated on STN: 19961106
Entered Medline: 19950501

L10 ANSWER 5 OF 21 MEDLINE
AN 95173681 MEDLINE
DN 95173681 PubMed ID: 7869107

TI Functional expression of **Shaker** K+ channels in cultured Drosophila "giant" neurons derived from Sh cDNA transformants: distinct properties, distribution, and turnover.
AU Zhao M L; Sable E O; Iverson L E; Wu C F
CS Department of Biological Sciences, University of Iowa, Iowa City 52242.
NC NS18500 (NINDS)
NS26528 (NINDS)
NS28135 (NINDS)
+
SO JOURNAL OF NEUROSCIENCE, (1995 Feb) 15 (2) 1406-18.
Journal code: 8102140. ISSN: 0270-6474.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199503
ED Entered STN: 19950407
Last Updated on STN: 19970203
Entered Medline: 19950329

L10 ANSWER 6 OF 21 MEDLINE
AN 90005442 MEDLINE
DN 90005442 PubMed ID: 2551680
TI The interference of truncated with normal **potassium channel** subunits leads to abnormal behaviour in **transgenic** Drosophila melanogaster.
AU Gisselmann G; Sewing S; Madsen B W; Mallart A; Angaut-Petit D; Muller-Holtkamp F; Ferrus A; Pongs O
CS Lehrstuhl fur Biochemie, Ruhr-Universitat Bochum, FRG.
SO EMBO JOURNAL, (1989 Aug) 8 (8) 2359-64.
Journal code: 8208664. ISSN: 0261-4189.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198911
ED Entered STN: 19900328
Last Updated on STN: 19990129
Entered Medline: 19891109

L10 ANSWER 7 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1998:448588 BIOSIS
DN PREV199800448588
TI Identification and disruption of a plant **shaker**-like outward channel involved in K+ release into the xylem sap.
AU Gaymard, Frederic (1); Pilot, Guillaume; Lacombe, Benoit; Bouchez, David; Bruneau, Dominique; Boucherez, Jossia; Michaux-Ferriere, Nicole; Thibaud, Jean-Baptiste; Sentenac, Herve
CS (1) Biochimie Physiol. Mol. des Plantes, INRA/CNRS URA 2133/Agro-M/UM II, 34060 Montpellier cedex 1 France
SO Cell, (Sept. 4, 1998) Vol. 94, No. 5, pp. 647-655.
ISSN: 0092-8674.
DT Article
LA English

L10 ANSWER 8 OF 21 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1996:549538 BIOSIS
DN PREV199699271894
TI Overexpression of a **shaker**-type K+ channel in a **transgenic** mouse leads to a paradoxical hyperexcitable phenotype.
AU Williams, S. H. (1); Abedi, R. (1); Noebels, J. L. (1); Pfaffinger, P.; Overbeek, P.; Sutherland, M. L. (1)
CS (1) Dep. Neurol., Baylor Coll. Med., One Baylor Plaza, Houston, TX 77030 USA
SO Society for Neuroscience Abstracts, (1996) Vol. 22, No. 1-3, pp. 2086.
Meeting Info.: 26th Annual Meeting of the Society for Neuroscience Washington, D.C., USA November 16-21, 1996
ISSN: 0190-5295.
DT Conference
LA English

L10 ANSWER 9 OF 21 USPATFULL
AN 1998:57775 USPATFULL
TI Biomolecular optical sensors
IN Isacoff, Ehud Y., Berkeley, CA, United States
Mannuzzu, Lidia M., Berkeley, CA, United States
Moronne, Mario M., Berkeley, CA, United States
PA The Regents of the University of California, Oakland, CA, United States (U.S. corporation)
PI US 5756351 19980526
AI US 1997-783377 19970113 (8)
DT Utility
FS Granted
LN.CNT 567
INCL INCLM: 435/325.000
INCLS: 435/242.000; 435/252.300; 435/254.110; 435/257.200; 435/410.000
NCL NCLM: 435/325.000
NCLS: 435/242.000; 435/252.300; 435/254.110; 435/257.200; 435/410.000
IC [6]
ICM: C12N005-00
ICS: C12N001-20; C12N003-00; C12N001-14
EXF 435/325; 435/252.3; 435/242; 435/254.11; 435/257.2; 435/410
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 10 OF 21 USPATFULL
AN 1998:6941 USPATFULL
TI Human **potassium channel** 1 and 2 proteins
IN Li, Yi, Gaithersburg, MD, United States
Adams, Mark D., North Potomac, MD, United States
White, Owen R., Gaithersburg, MD, United States
PA Human Genome Sciences, Inc., Gaithersburg, MD, United States (U.S. corporation)
PI US 5710019 19980120
AI US 1995-464340 19950605 (8)
DT Utility
FS Granted
LN.CNT 1721
INCL INCLM: 435/069.100
INCLS: 435/240.200; 435/252.300; 435/325.000; 435/530.000; 435/350.000; 435/536.000; 435/023.500
NCL NCLM: 435/069.100
NCLS: 435/252.300; 435/325.000; 435/350.000; 536/023.500
IC [6]
ICM: C12P021-02
ICS: C12N015-12; C07K014-705
EXF 435/69.1; 435/240.2; 435/252.3; 435/325; 530/350; 536/23.5
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 11 OF 21 USPATFULL
AN 96:43765 USPATFULL
TI Reverse antimicrobial peptides
IN Mapelli, Claudio, Princeton, NJ, United States
Swerdloff, Michael D., Princeton, NJ, United States
Williams, Jon I., Robbinsville, NJ, United States
Everett, Nicholas P., Pennington City, NJ, United States
PA Enichem S.p.A., Italy (non-U.S. corporation)
PI US 5519115 19960521
AI US 1993-164151 19931209 (8)
RLI Continuation of Ser. No. US 1991-649784, filed on 1 Feb 1991, now abandoned

DT Utility
FS Granted
LN.CNT 4886
INCL INCLM: 530/324.000
INCLS: 530/325.000; 530/326.000
NCL NCLM: 530/324.000
NCLS: 530/325.000; 530/326.000
IC [6]
ICM: C07K005-00
ICS: C07K007-00; C07K017-00
EXF 530/324-326; 514/12-14
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 12 OF 21 USPATFULL
AN 94:90933 USPATFULL
TI Primary structure for functional expression from complementary DNA of a mammalian ATP-sensitive **potassium channel**
IN Hebert, Steven C., Wellesley, MA, United States
Ho, Kevin, Newton, MA, United States
PA Brigham & Women's Hospital, Boston, MA, United States (U.S. corporation)
PI US 5356775 19941018
AI US 1992-921178 19920729 (7)
DT Utility
FS Granted
LN.CNT 1771
INCL INCLM: 435/006.000
INCLS: 435/069.100; 435/172.300; 435/320.100; 435/252.300; 435/240.200; 935/011.000; 935/024.000; 935/056.000; 536/023.500
NCL NCLM: 435/006.000
NCLS: 435/069.100; 435/252.300; 435/320.100; 536/023.500
IC [5]
ICM: C12N015-12
ICS: C12N015-10; C12N015-63
EXF 435/69.1; 435/172.3; 435/320.1; 435/252.3; 435/240.2; 435/6; 536/23.5; 935/11; 935/24; 935/56
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 13 OF 21 PCTFULL COPYRIGHT 2003 Univentio
AN 1998030715 PCTFULL ED 20020514
TIEN OPTICAL SENSORS OF CELL SIGNALING
TIFR DETECTEUR OPTIQUE DE SIGNALISATION CELLULAIRE
IN SIEGAL, Micah, S.;
ISACOFF, Ehud, Y.
PA CALIFORNIA INSTITUTE OF TECHNOLOGY;
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA;
SIEGAL, Micah, S.;
ISACOFF, Ehud, Y.
LA English
DT Patent
PI WO 9830715 A1 19980716
DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US US UZ VN GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
AI WO 1997-US19453 A 19971024
PRAI US 1997-60/035,770 19970107
US 1997-60/059,792 19970923
ICM C12P021-04
ICS C12N001-20; C12N009-00; C12N009-12; C12N009-14; C12N015-00; C07K001-00; A61K038-24; A61K038-26; A61K038-28; A61K038-31

L10 ANSWER 14 OF 21 PCTFULL COPYRIGHT 2003 Univentio
AN 1998030692 PCTFULL ED 20020514
TIEN HUMAN ENDOSULFINE GENE
TIFR GENE D'ENDOSULFINE D'ORIGINE HUMAINE
IN ROCH, Jean-Marc;
SCOTT, Victoria, E., S.;
ANDERSON, Kristi, L.;
SULLIVAN, James, P.
PA ABBOTT LABORATORIES
LA English
DT Patent
PI WO 9830692 A2 19980716
DS W: CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
AI WO 1998-US137 A 19980107
PRAI US 1997-8/779,775 19970107
ICM C12N015-12
ICS C12N015-70; C12N015-85; C12N001-21; C12N005-10; C12Q001-02; C07K014-47; C07K016-18; A61K038-17

L10 ANSWER 15 OF 21 PCTFULL COPYRIGHT 2003 Univentio
AN 1998023639 PCTFULL ED 20020514
TIEN ShK TOXIN COMPOSITIONS AND METHODS OF USE
TIFR COMPOSITIONS DE TOXINES ShK ET PROCEDES D'UTILISATION
IN KEM, William, R.;
PENNINGTON, Michael, W.;
NORTON, Raymond, S.;
CHANDY, George, K.;
KALMAN, Katalin
PA UNIVERSITY OF FLORIDA;
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA;
BACHEM BIOSCIENCE, INC.;
BIOMOLECULAR RESEARCH INSTITUTE
LA English
DT Patent
PI WO 9823639 A2 19980604
DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
AI WO 1997-US22096 A 19971126
PRAI US 1996-60/031,860 19961127
US 1997-60/059,126 19970917
ICM C07K014-435
ICS A61K038-17

L10 ANSWER 16 OF 21 PCTFULL COPYRIGHT 2003 Univentio
AN 1997026357 PCTFULL ED 20020514
TIEN METHODS AND COMPOSITIONS FOR INHIBITING HEXOKINASE
TIFR COMPOSITIONS ET PROCEDES D'INHIBITION DE L'HEXOKINASE
IN NEWGARD, Christopher, B.;
HAN, He-Ping;
THIGPEN, Anice, E.;
NORMINGTON, Karl, D.
PA BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM;
BETAGENE, INC.;
NEWGARD, Christopher, B.;
HAN, He-Ping;
THIGPEN, Anice, E.;
NORMINGTON, Karl, D.
LA English
DT Patent
PI WO 9726357 A1 19970724
DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA

UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT
BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN ML MR NE SN TD TG
AI WO 1997-US787 A 19970117
PRAI US 1996-8/588,983 19960119
ICM C12N015-54
ICS C12N009-10; C12N009-00; C12N005-10; C12N015-17; C12N009-12;
C07K014-62; A61K038-28

L10 ANSWER 17 OF 21 PCTFULL COPYRIGHT 2003 Univentio
AN 1997026322 PCTFULL ED 20020514
TIEN METHODS AND COMPOSITIONS FOR INHIBITING HEXOKINASE
TIFR COMPOSITIONS ET PROCEDES D'INHIBITION DE L'HEXOKINASE
IN NEWGARD, Christopher, B.;
HAN, He-Ping;
BECKER, Thomas, C.;
WILSON, John, E.
PA BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM;
BETAGENE, INC.;
MICHIGAN STATE UNIVERSITY;
NEWGARD, Christopher, B.;
HAN, He-Ping;
BECKER, Thomas, C.;
WILSON, John, E.
LA English
DT Patent
PI WO 9726322 A2 19970724
DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI
GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA
UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT
BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN ML MR NE SN TD TG
AI WO 1997-US786 A 19970117
PRAI US 1996-8/588,976 19960119
ICM C12N015-54
ICS C12N005-10; C12N015-17; C12N009-12; C07K014-62; A61K038-28

L10 ANSWER 18 OF 21 PCTFULL COPYRIGHT 2003 Univentio
AN 1997023632 PCTFULL ED 20020514
TIEN A LONG QT SYNDROME GENE WHICH ENCODES KVLQT1 AND ITS ASSOCIATION WITH
minK
TIFR GENE DU SYNDROME DU Q-T LONG CODANT KVLQT1 ET SON ASSOCIATION AVEC minK
IN KEATING, Mark, F.;
CURRAN, Mark, E.;
LANDES, Gregory, M.;
CONNORS, Timothy, D.
PA UNIVERSITY OF UTAH RESEARCH FOUNDATION;
GENZYME GENETICS
LA English
DT Patent
PI WO 9723632 A1 19970703
DS W: AU CA JP KR NZ AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL
PT SE
AI WO 1996-US19917 A 19961220
PRAI US 1995-60/019,014 19951222
US 1996-8/739,383 19961029
ICM C12N015-63
ICS C12N005-00; C12N015-00; A01N043-04; A61K031-70

L10 ANSWER 19 OF 21 PCTFULL COPYRIGHT 2003 Univentio
AN 1997023598 PCTFULL ED 20020514
TIEN A LONG QT SYNDROME GENE WHICH ENCODES KVLQT1 AND ITS ASSOCIATION WITH
MINK
TIFR KVLQT1- GENE DU SYNDROME DU QT LONG CODANT POUR KVLQT1, QUI SE
COASSEMBLE AVEC minK POUR FORMER DES CANAUX POTASSIQUES CARDIAQUES IKs
IN KEATING, Mark, T.;
SANGUINETTI, Michael, C.;
CURRAN, Mark, E.
PA UNIVERSITY OF UTAH RESEARCH FOUNDATION
LA English
DT Patent
PI WO 9723598 A2 19970703
DS W: AU CA JP KR NZ AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL
PT SE
AI WO 1996-US19756 A 19961220
PRAI US 1995-60/019,014 19951222
US 1996-8/739,383 19961029
ICM C12N015-63
ICS C12N005-00; C12N015-00; A01N043-04; A61K031-70

L10 ANSWER 20 OF 21 PCTFULL COPYRIGHT 2003 Univentio
AN 1996018957 PCTFULL ED 20020514
TIEN A METHOD FOR PREDICTING PROTEIN STRUCTURE
TIFR PROCEDE DE PREVISION DE LA STRUCTURE D'UNE PROTEINE
IN CZEGLEDY, Ferenc +di;
FISCHBARG, Jorge;
ISEROVICH, Pavel;
LI, Jun;
CHEUNG, Min
PA THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
LA English
DT Patent
PI WO 9618957 A1 19960620
DS W: AU CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
AI WO 1995-US16126 A 19951213
PRAI US 1994-8/355,844 19941214
ICM G06F017-10
ICS G06F017-50; G06F019-00

L10 ANSWER 21 OF 21 SCISEARCH COPYRIGHT 2003 THOMSON ISI
AN 1998:172904 SCISEARCH
GA The Genuine Article (R) Number: YY335
TI Enhanced neurotransmitter release is associated with reduction of neuronal
branching in a Drosophila mutant overexpressing frequenin
AU AngautPetit D (Reprint); Toth P; Rogero O; Faille L; Tejedor F J; Ferrus A
CS CNRS, NEUROBIOL CELLULAIRE & MOL LAB, F-91198 GIF SUR YVETTE, FRANCE
(Reprint); CSIC, INST CAJAL, E-28002 MADRID, SPAIN
CYA FRANCE; SPAIN
SO EUROPEAN JOURNAL OF NEUROSCIENCE, (FEB 1998) Vol. 10, No. 2, pp. 423-434.
Publisher: OXFORD UNIV PRESS, GREAT CLARENDON ST, OXFORD, ENGLAND OX2 6DP.
ISSN: 0953-816X.
DT Article; Journal
FS LIFE
LA English
REC Reference Count: 48
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

=> d his

(FILE 'HOME' ENTERED AT 10:45:33 ON 26 JUN 2003)

FILE 'MEDLINE, CANCERLIT, BIOSIS, CONFSCI, EMBASE, CAPLUS, USPATFULL,
PCTFULL, SCISEARCH' ENTERED AT 10:47:10 ON 26 JUN 2003
L1 1842 S TRANSGENIC? AND POTASSIUM (A) CHANNEL?
L2 156 S L1 AND P (A) DOMAIN
L3 154 DUP REM L2 (2 DUPLICATES REMOVED)
L4 1 S L3 NOT PY=>1998
L5 1 S L3 NOT PY=>1999

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L6          327 S POTASSIUM (A) TRANSPORT (A) CHANNEL
L7           14 S L6 AND TRANSGENIC?
L8          245 S L1 AND SHAKER
L9          217 DUP REM L8 (28 DUPLICATES REMOVED)
L10          21 S L9 NOT PY=>1999

=> d l10 2,6,7,8 ab

L10  ANSWER 2 OF 21      MEDLINE
AB   Long-term memory is thought to be subserved by functional remodeling of
     neuronal circuits.  Changes in the weights of existing synapses in
     networks might depend on voltage-gated potassium currents.  We therefore
     studied the physiological role of potassium channels
     in memory, concentrating on the Shaker-like Kv1.1, a late
     rectifying potassium channel that is highly localized
     within dendrites of hippocampal CA3 pyramidal and dentate gyrus granular
     cells.  Repeated intracerebroventricular injection of antisense
     oligodeoxyribonucleotide to Kv1.1 reduces expression of its particular
     intracellular mRNA target, decreases late rectifying K+ current(s) in
     dentate granule cells, and impairs memory but not other motor or sensory
     behaviors, in two different learning paradigms, mouse passive avoidance
     and rat spatial memory.  The latter, hippocampal-dependent memory loss
     occurred in the absence of long-term potentiation changes recorded both
     from the dentate gyrus or CA1.  The specificity of the reversible
     antisense targeting of mRNA in adult animal brains may avoid irreversible
     developmental and genetic background effects that accompany
     transgenic "knockouts".

L10  ANSWER 6 OF 21      MEDLINE
AB   The Shaker locus of Drosophila melanogaster encodes a family of
     A-type potassium channel subunits.  Shaker
     mutants behave as antimorphs in gene dosage tests.  This behaviour is due
     to the production of truncated A-channel subunits.  We propose that they
     interfere with the function of their normal counterpart by forming
     multimeric A-channel structures.  This hypothesis was tested by
     constructing transgenic flies carrying a heat-inducible gene
     encoding a truncated A-type potassium channel subunit
     together with a normal wild type doses of A-type potassium
     channel subunits.  The altered subunit leads at larval, pupal or
     adult stages to the transformation of wild type into Shaker
     flies.  The transformed flies exhibited a heat-inducible abnormal leg
     shaking behaviour and a heat-inducible facilitated neurotransmitter
     release at larval neuromuscular junctions.  By the overexpression of an
     aberrant A-channel subunit the normal behaviour of transgenic D.
     melanogaster can be altered in a predictable way.

L10  ANSWER 7 OF 21  BIOSIS  COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AB   SKOR, a K+ channel identified in Arabidopsis, displays the typical
     hydrophobic core of the Shaker channel superfamily, a cyclic
     nucleotide-binding domain, and an ankyrin domain. Expression in Xenopus
     oocytes identified SKOR as the first member of the Shaker family
     in plants to be endowed with outwardly rectifying properties. SKOR
     expression is localized in root stelar tissues. A knockout mutant shows
     both lower shoot K+ content and lower xylem sap K+ concentration,
     indicating that SKOR is involved in K+ release into the xylem sap toward
     the shoots. SKOR expression is strongly inhibited by the stress
     phytohormone abscisic acid, supporting the hypothesis that control of K+
     translocation toward the shoots is part of the plant response to water
     stress.

L10  ANSWER 8 OF 21  BIOSIS  COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

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---Logging off of STN---


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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              99.09      99.72

STN INTERNATIONAL LOGOFF AT 11:17:22 ON 26 JUN 2003
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